

IN THE CLAIMS

1. (Currently Amended) Device (1) for cleaning of the abdominal cavity (20) in fish (30), comprising:

transport mechanism(s) for introduction of the fish (30) into the device (1);

means for detection of when the fish (30) enters the device (1);

controls for controlling the method executed in the device (1); and

actuators for providing movement of the moveable parts in the device (1), ~~characterized in that~~ wherein the device (1) ~~[[is]]~~ further comprises a first cleaning tool (50) and a second cleaning tool (60), said cleaning tools (50, 60) being arranged to follow the inside of the abdominal cavity and to move in opposite directions [in respect to] from each other, after introduction in the abdominal cavity (20) of the fish (30).

2. (Currently Amended) Device in accordance with claim 1, ~~characterized in that~~ wherein the cleaning tools are vacuum tools, scraping tools, brushing tools, spraying tools, or other tools suitable for cleaning the abdominal cavity in fish.

3. (Currently Amended) Device in accordance with claim 2, ~~characterized in that~~ wherein one or both cleaning tools (50, 60) are provided with a system enabling the cleaning tools to follow the inside ~~[[if]]~~ of the abdominal cavity of the fish (30) with a desired pressure.

4. (Currently Amended) Device in accordance with claim 3, ~~characterized in that~~ wherein the system is mechanical, hydraulic, pneumatic, or electric.

5. (Currently Amended) Device in accordance with claim 4, ~~characterized in that~~ wherein one or both cleaning tools (50, 60) are shaped in respect to the abdominal cavity of the fish; ~~that they have~~ having one or more openings for sucking up loose elements; and ~~by that they have~~ having a scraping effect for loosening of unwanted elements.

6. (Currently Amended) Device in accordance with claim 5, ~~characterized in that~~ wherein the device further comprises a number of additional tools on, or in addition to, the cleaning tools.

7. (Currently Amended) Device in accordance with ~~characterized in that~~ claim 6, wherein the device is provided as a module for placement over an existing production line with a V-type belt, a flat belt, rollers, or the like; or that it is provided as a module for placement between two parts of the production line, where the device comprises an incorporated V-type belt, a flat belt, rollers, or the like.

8. (Currently Amended) Device in accordance with claim 7, ~~characterized in that~~ wherein the device comprises a means for centering of fish, said means comprising two plates (45) which move down on the sides of the fish (30), and which can hold the fish (30) in its place by ~~[[that]]~~ the plates (45) ~~[[move]]~~ moving towards each other at the same time that they move down on the sides of the fish (30).

9. (Currently Amended) Method for cleaning the abdominal cavity (20) in fish, using the device in accordance with claim 1, ~~characterized in that~~ wherein the method comprises the following steps:

- a. introducing and ~~centering~~ centering a fish (30) in position under the first cleaning tool (50), with the tail in the direction of the movement;
- b. lowering the first cleaning tool (50) into the abdominal cavity (20) of the fish (30), close to the head (80);
- c. lowering the second cleaning tool (60) into the abdominal cavity (20) of the fish (30), next to the first cleaning tool (50), ~~so that~~ with the first cleaning tool (50) ~~[[is]]~~ positioned between the fish's head (80) and the second cleaning tool (60);
- d. moving the second cleaning tool (60) in the direction of the tail (90) of the fish (30), whereby guts, organs, or leavings thereof (100) are cleaned away, and whereby the head (80) of the fish (30) is drawn completely against the first cleaning tool (50), and where one or both of the cleaning tool (50, 60) follow the shape of the abdominal cavity of the fish;
- e. possibly and if needed repeating step d; and
- f. lifting the first and the second cleaning tool (50, 60) out of the abdominal cavity (20) of the fish (30), whereby the fish (30) is released, and whereby the device is ready for the next cycle of the method.

10. (Cancel).

11. (Cancel).

12. (Cancel).

13. (New) Method for cleaning the abdominal cavity of a fish, comprising the steps of:

- a) taking a device which comprises,
 - i) transport mechanism(s) for introduction of the fish (30) into the device (1);
 - ii) means for detection of when the fish (30) enters the device (1);
 - iii) controls for controlling the method executed in the device (1); and
 - iv) actuators for providing movement of the moveable parts in the device (1), wherein the device (1) further comprises a first cleaning tool (50) and a second cleaning tool (60), said cleaning tools (50, 60) being arranged to follow the inside of the abdominal cavity and to move in opposite directions from each other, after introduction in the abdominal cavity (20) of the fish (30);
- b) introducing and centering a fish (30) in position under the first cleaning tool (50), with the tail in the direction of the movement;
- c) lowering the first cleaning tool (50) into the abdominal cavity (20) of the fish (30), close to the head (80);
- d) lowering the second cleaning tool (60) into the abdominal cavity (20) of the fish (30), next to the first cleaning tool (50), with the first cleaning tool (50) positioned between the fish's head (80) and the second cleaning tool (60);

e) moving the second cleaning tool (60) in the direction of the tail (90) of the fish (30), whereby guts, organs, or leavings thereof (100) are cleaned away, and whereby the head (80) of the fish (30) is drawn completely against the first cleaning tool (50), and where one or both of the cleaning tool (50, 60) follow the shape of the abdominal cavity of the fish;

f) possibly and if needed repeating step d; and

g) lifting the first and the second cleaning tool (50, 60) out of the abdominal cavity (20) of the fish (30), whereby the fish (30) is released, and whereby the device is ready for the next cycle of the method.